

Fig. 6

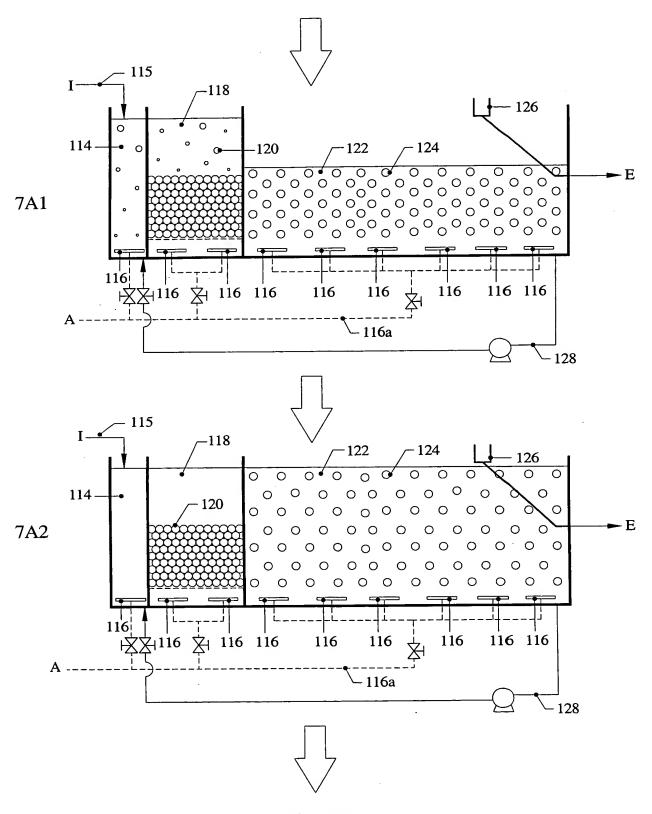


Fig. 7A

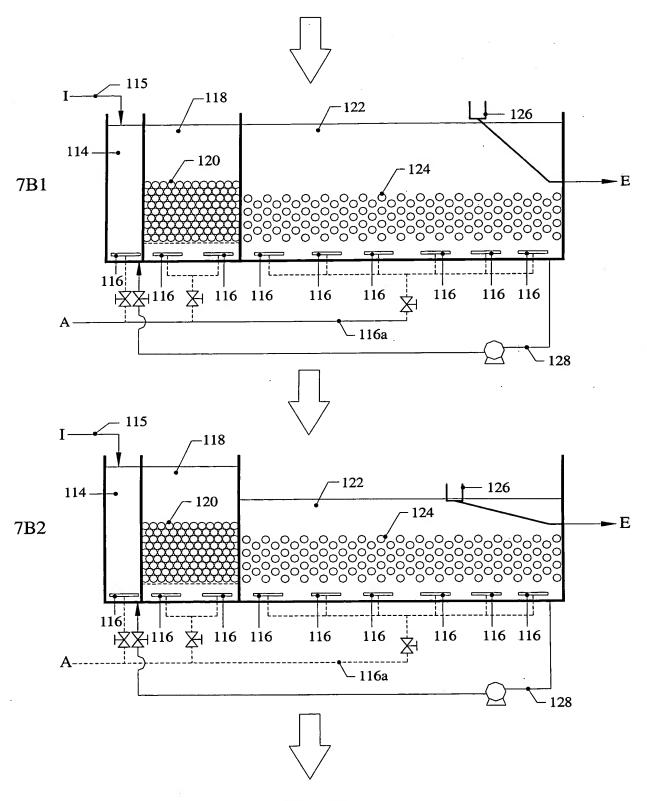
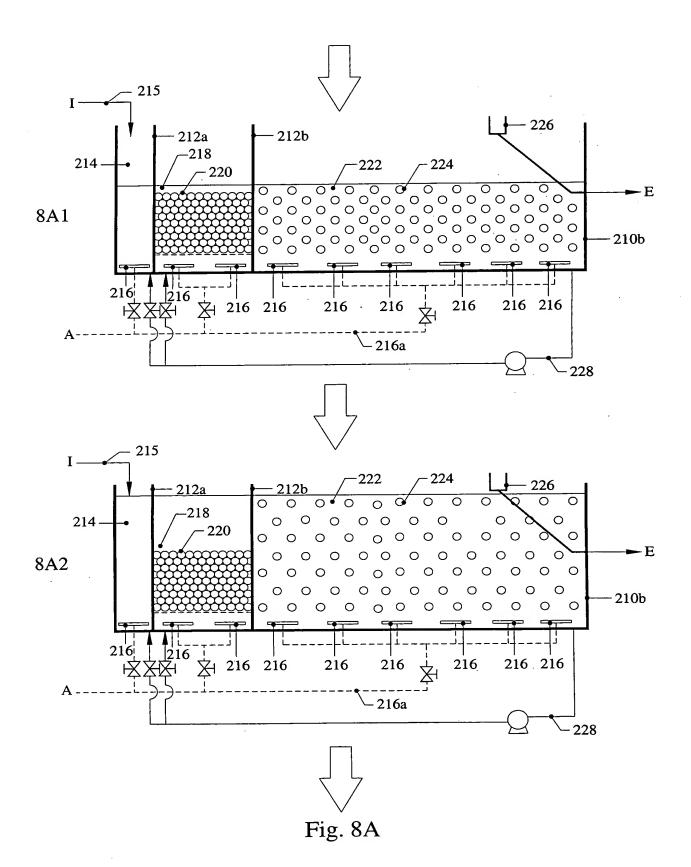
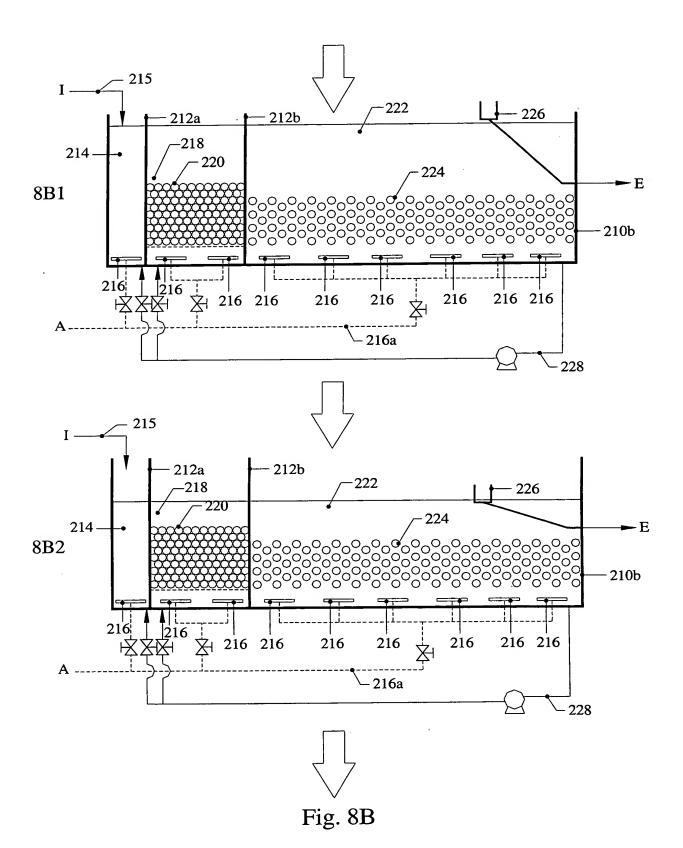


Fig. 7B





Period	pН	TCOD	SCOD	TSS_	VSS	TKN	NH <sub>4</sub> -N	TCOD:TKN
1	7.81	389	195	220	142	43	26	9.1
2	7.85	354	176	189	135	41	29	8.6
3	7.76	363	183	212	132	43	30	8.4
4	7.70	338	140	227	146	36	26	9.4
5	7.75	321	156	232	157	37	28	8.7
6	7.71	332	170 ·	243	169	37	24	9.0
7	7.75	436	156	256	178	45	31	9.7
8	7.77	324	148	232	143	39	25	8.3
9	7.86	364	167	228	155	40	27	9.1
10	7.92	341	162	213	135	41	27	8.3
11	7.73	367	226	187	113	42	26	8.7
12	8.02	379	179	233	156	39	28	9.7
13	7.93	385	156	227	149	43	29	9.0
14	7.89	381	174	262	169	41	31_	9.3
15	7.75	406	181	253	173	45	30	9.0
16	7.68	382	184	237	156	39	27	9.8
17	7.44	393	172	243	163	38	31	10.3
18	7.77	411	169	261	177	44	28	9.3
19	7.63	379	183	224	136	43	32	8.8
20	7.65	397	167	264	159	42	33	9.5
21	7.83	387	183	244	152	39	29	9.9
	7.56	372	186	226	141	42	31	8.9
22	7.76	417	178	268	187	41	29	10.2
23	7.79	395	193	237	144	40	29	9.9
24	7.79	364	191	206	125	38	27	9.6
25	1.02		1, 1,71					

Fig. 8C

					SBR3	22				
Phase	Period	TCOD	SCOD	TSS	VSS	TKN	NH4-N	NO <sub>3</sub> -N	MLSS	MLVSS
		95	80	10	7	8.3	4.4	10.2	3430	2400
	2	93	80	6	9	7.9	4.4	9.6	3350	2520
	3	83	72	∞	5	0.9	3.7	8.8	3560	2360
	4	78	89	7	5	0.9	3.0	7.2	3450	2480
	5	73	61	∞	5	5.5	2.1	4.3	3530	2450
	9	75	61	7	5	5.2	1.5	4.6	3420	2320
	7	72	58	6	9	4.5	1.7	4.6	3680	2540
	8	70	54	9	4	4.2	1.2	5.4	3570	2570
	6	9/	57	7	5	4.6	1.6	5.6	3250	2270
	10	74	64	8	5	5.8	2.4	6.4	2310	1550
	11	96	78	12	∞	6.2	2.8	8.0	1450	1000
	12	94	82	8	5	7.2	2.8	8.4	1420	970
	13	89	79	7	5	5.4	2.4	8.8	1350	890
	14	85	77	9	4	6.2	2.9	7.9	1290	810
	15	85	73	8	5	6.7	3.1	7.9	1330	098
	. 91	84	69	6	9	6.2	2.2	7.8	1360	890
	17	95	79	11	7	5.0	2.0	8.3	1410	006
	18	90	72	13	6	5.4	2.1	8.8	1350	920
	19	83	72	7	5	4.8	1.8	8.0	1370	840
	20	84	69	∞	5	5.5.	2.0	9.2	1400	920
	21	94	74	12	8	5.9	2.1	8.4	1380	950
	22	87	71	6	9	0.9	2.2	8.5	1340	910
	23	94	73	12	8	6.4	2.3	7.2	1370	880
I	24	88	74	6	9	5.3	2.3	9.8	1420	850
	25	98	75	7	5	5.2	2.2	8.3	1280	006

Fig. 8D

SCOD 80 82 82 78 77 77 76 76 87	TSS VSS 9 6 111 7 7 5 6 4 6 9 6 6	17KN 8.3 7.8 8.6 8.3 9.0	NH <sub>4</sub> -N 4.7 4.6 4.8	NO <sub>3</sub> -N	MLSS	MLVSS
1 94 80   2 95 82   3 88 78   4 90 79   5 95 77   6 84 78   7 91 76   8 90 78   9 85 76   10 102 87		8.3 7.8 8.6 8.3 9.0	6.4 4.8	10.0		
95 82 88 78 90 79 95 77 91 76 90 78 90 78		7.8 8.6 8.3 9.0	4.6	20.04	3550	2480
88 78 89 79 95 77 84 78 91 76 90 78 0 102 87		8.3	4.8	6.6	3650	2445.5
90 79 90 77 84 78 91 76 9 85 76 0 102 87		8.3	5.3	6.6	3620	2470
95 77 84 78 91 76 90 78 85 76		9.0	J.,	9.6	3550	2670
84 78 91 76 90 78 85 76	-		5.3	9.9	3670	2610
91 76 90 78 85 76 102 87		8.7	5.2	10.1	3480	2540
90 78 85 76 102 87	10 7	9.1	5.8	10.0	3890	2740
85	2 0	93	6.1	9.6	3720	2610
102	-	× ×	4.7	9.4	3450	2450
102	-	200	73	0 &	2200	1350
	-	10.0	j.,		1520	066
11   125   103	12 8	20.2	10./	4.4	0701	
	11 7	22.5	18.7	4.5	1550	1020
123	7 5	23.8	20.2	4.3	1480	096

Fig. 8E

11.6 8.2 10.8	8.5 8.3 8.3 6.7 7.6	8.5 8.3 8.3 6.7 6.9 6.9	8.2 8.3 8.3 8.3 6.7 7.6 6.9 6.9	8.2 8.3 8.3 8.3 6.7 7.2 6.9 6.9 7.1 7.1	8.2 8.3 8.3 8.3 6.7 7.6 6.9 6.9 6.9 7.7 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	8.2 1 8.3 1 8.3 1 6.7 1 7.6 1 7.7 7.1 7.1 7.1 2.9 7.4 7.3 7.3 7.3	8.2 8.2 1 8.3 1 8.3 1 6.7 1 7.6 1 7.7 1 7.1 1 7.6 1 7.7 1 7.6 1 7.6 1 7.7 1 7.6 1 7.7 1 7.6 1 7.7 1 7.7	8.2 1 8.3 1 8.3 1 7.6 1 1 7.7 1 7.7 7.1 7.1 7.1 7.3 8.0 6.9 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0
11.6 8.2						8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		3 2 3 5 3 5 3 5 5 5 5 5 5 5 5 5 5 5 5 5
26 1	28 1 26 1 24 1				28 1 26 1 24 1 29 2 23 25 25 25 25 25 26 26 27 27 28	28 1 26 1 24 1 29 2 23 23 25 25 26 26 26 26 31 31 31	28 1 24 1 24 1 29 29 2 25 25 26 26 26 27 27 27 27 28 28 28 29 29 29 29 29 29 29 29 29 29 29 29 29	28 1 26 1 24 1 29 2 23 25 25 25 26 26 27 27 28 28 28 29 29 31 31 31 31 31 31 31 31 31 31 31 31
28	37	39 39 43 37	39 39 43 42 42 42	30 39 43 42 42 43	30 37 37 42 43 44 45 44	37 37 39 43 42 42 44 44 44 46	37 37 39 43 44 44 44 44 44 46 46	30 33 37 42 43 44 44 44 44 45 46 47 39 39 39
171		1-1-1-	<del>                                     </del>	<del>                                     </del>	- - - - - - -			
							2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2 2 2 1 1 7 2 7 1
	-	++-						
465	435	435 432 452 452	435 432 452 434 446	435 432 452 434 446 442	435 432 452 434 446 442 467	435 432 452 434 446 442 467 482 487	435 432 452 434 446 442 467 487 481 481	435 432 452 434 446 442 467 487 481 481 478
7.35 4								
0 7 7 7	-  4	-   -   -   -   -   -   -   -   -   -	7 7 7	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		6 6 6 6 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

Fig. 8F

						SBR3		-				1
			4000	TOOL	797	TKN	N-7HN	NO3-N	PO <sub>4</sub> -P	TP	MLSS	MLVSS
Phase	Period	TCOD	SCOD	155	2 5	3.6	1.6	4.7	7.0	7.7	3575	2400
	1	69	48		2 5	5.5	1 3	5.2	6.3	7.2	3450	2450
	2	29	47	19	5 5	2.2	0.6	4.8	6.0	6.5	3360	2350
<b>)-</b>	3	61	43	81	71	2.5	0.0	44	5.9	6.9	3440	2440
<b>-</b>	4	54	37	21	14	C.I	1.0	4.2	28	6.7	3350	2510
	5	46	32	50	SI	1.9	1.1	7: 7	2,6	6.4	3380	. 2480
	9	42	30	15	11	9   6	9.0	4.0	5.5	6.3	2530	1780
	7	45	32	14	0]	5.7	C. I	5.4	5.0	6.0	1800	1290
П	8	51	36	16		3.0	7.0	7.7	7 5	5.2	1840	1270
	6	57	38	21	17	3.0	0.]	0.0	C.F	53	1810	1350
	10	54	36	17	=	3.2	0.1	5.6	× C	3.7	1750	1300
·	=======================================	52	38	19	12	3.5	7.0	0.0	1.6	2.4	1820	1370
III(a)	12	46	32	16	12	3.4	1.0	2.0	10	2.0	1850	1390
	13	53	38	19	13	3.1		5.7	1.7	2.4	1890	1280
	14	54	37	19	12	3.2	0 -	5.7	8	2.3	1830	1360
(p)	15	53	36	22	15	3.4	7.7	25	1 %	2.5	1660	1200
(S)	16	50	35	21	14	3.6	7.7	0.0	1 2	2.9	1810	1300
	17	99	39	13	12	3.5	7.0	7.4	2 - 2	2.8	1750	1320
	18	49	33	21	14	3.7	7:7	1				

Fig. 8G

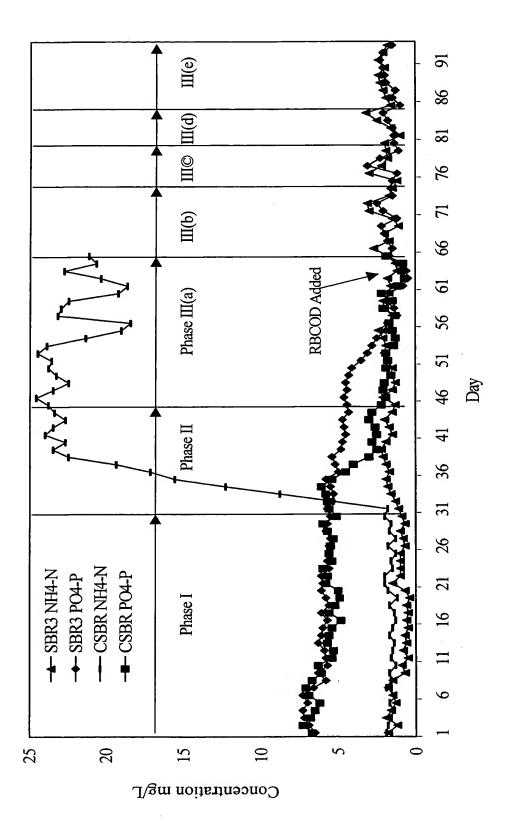


Fig. 8K

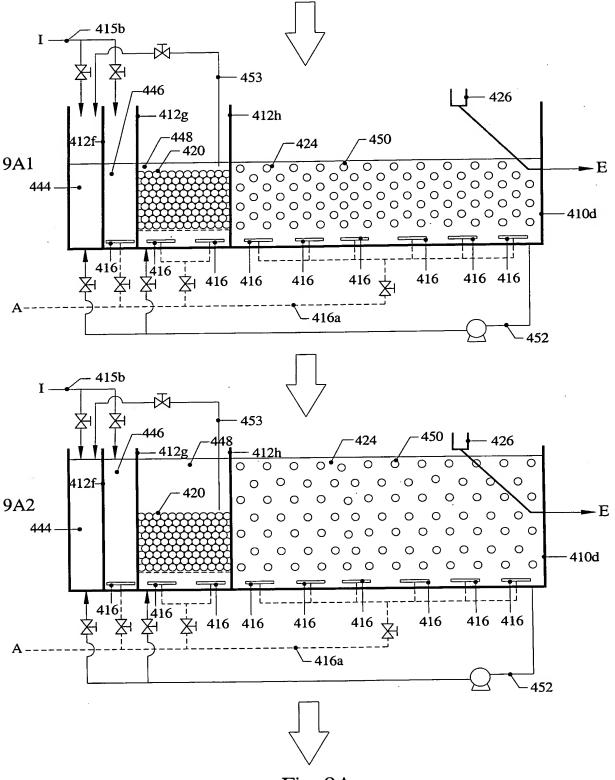


Fig. 9A

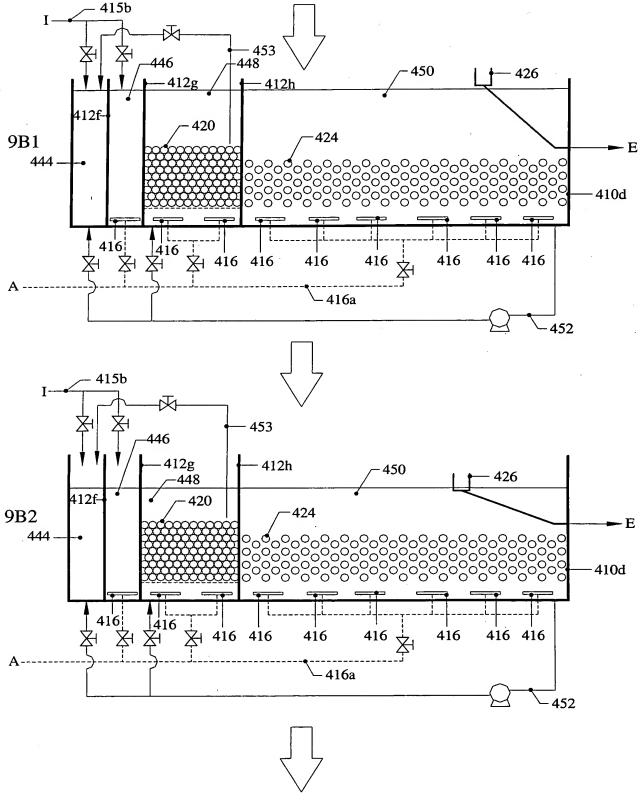


Fig. 9B

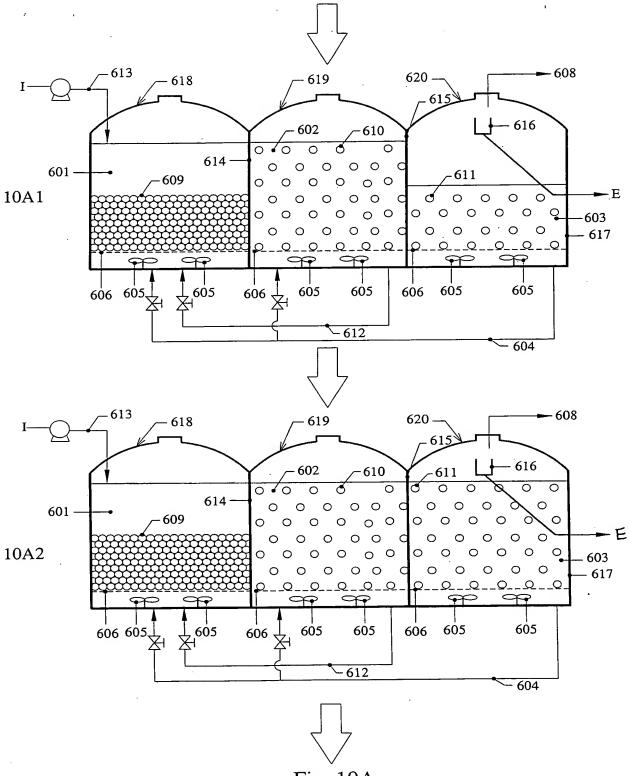


Fig. 10A

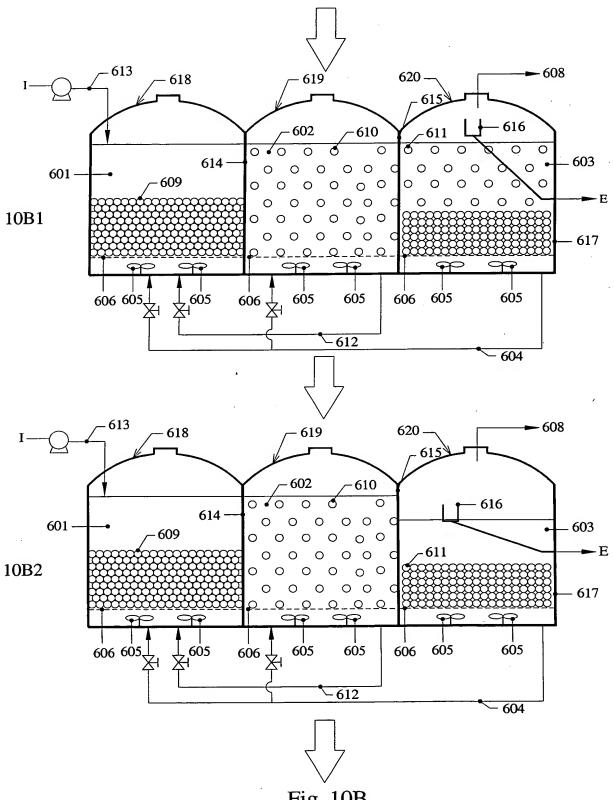


Fig. 10B